



Maps On Demand Website

<http://www.epa.gov/enviro/html/mod/mod.html>

The Maps On Demand (MOD) Website provides Internet access to Environmental Protection Agency (EPA) mapping applications. MOD applications use data available through EPA's Envirofacts Warehouse, including: EPA's Spatial Data Library System (ESDLS), the Envirofacts database, and demographic data to generate maps of environmental information.

ESDLS is an integrated collection of EPA's documented, standardized, and nationally consistent spatial data resources, that provides users with a variety of mapping options. The Envirofacts database is a relational database of facility data contained in EPA program systems. The Envirofacts Warehouse also contains EPA-processed U.S. Bureau of Census demographic data.

MOD applications integrate ESDLS, the Envirofacts database, and demographic data to provide users with a variety of mapping options. Currently, MOD is composed of: EnviroMapper, Query Mapper, SiteInfo, BasinInfo, CountyInfo, and ZipInfo. EnviroMapper uses EPA's National Shapefile Repository, which contains data from Wessex, ESDLS, and Geographic Data Technologies (GDT).

EnviroMapper

EnviroMapper provides users with interactive Geographic Information System (GIS) functionality using Environmental Protection Agency (EPA) spatial data. This application allows users to view spatial data at the national, state, and county levels, as well as utilize GIS functionality, such as displaying multiple spatial layers, zooming, panning, identifying features, and querying single Envirofacts points. EnviroMapper enables users to visualize environmental data in Envirofacts, view detailed reports for EPA-regulated facilities, eliminate batch-processing mapping, and generate maps dynamically using cutting-edge technology.

Query Mapper

Query Mapper allows users to map the results of Envirofacts queries and view surrounding demographics, landuse, and landcover, as well as the physical and cultural characteristics. Maps can be shaded based on Geographic Information and Analysis System (GIRAS) landuse/landcover data, or from four demographic variables: population density, percent minority, percent below poverty level, or percent capita income. Query Mapper also overlays several spatial data layers available in ESDLS.

SiteInfo

SiteInfo displays selected criteria (e.g., demographic information) around a user-specified latitude and longitude coordinate. The area around the coordinate is defined as a radius chosen by the user. Users can search for



latitude and longitude coordinates using the Envirofacts query form. SiteInfo is available to the public and can produce reports and maps for the United States. EPA Region 10 originally developed this application to provide regional staff with analysis tools to use in environmental decision making.

BasinInfo

BasinInfo allows users to map watersheds and select criteria (e.g., program systems, demographic information) to be displayed on the map. Information about EPA-regulated facilities within that hydrologic unit will be provided in a text report. This application is available to the public and can produce reports and maps for the United States. EPA Region 10 originally developed this application.

CountyInfo

The CountyInfo application creates informative maps and reports of EPA management and health concerns, such as EPA-regulated facility, demographic, and safe drinking water information for areas within any given county in the United States (Lower 48). CountyInfo was developed in EPA Region 10.

ZipInfo

The ZipInfo application creates informative maps and reports of EPA management and health concerns, such as EPA-regulated facility, demographic, and safe drinking water information for areas within any given ZIP Code in the United States (Lower 48). ZipInfo was developed in EPA Region 10.

Future Capabilities

The next phase of MOD development will expand capability and make existing capability more flexible. More applications will be developed and added to facilitate the mapping of environmental information.

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